

Ranking Tool Summary for FY2007 - AFO/CAFO Water and Air Quality (Draft)

Description:

This ranking tool is for use in the AFO-CAFO - State Resource Concerns. The primary resource concerns are Water and Air Quality resulting from the livestock operations and the storage and use of waste materials produced by concentrated animal feeding operations.

Land Uses:

Crop, Hay, Headquarters, Pasture

Efficiency Score:

Scoring Multiplier: 1.00

National Priorities:

Scoring Multiplier: 10.00

Questions:

Number	Question	Points
1	Will the treatment you intend to implement using EQIP result in considerable reductions of non-point source pollution, such as nutrients, sediment, pesticides, excess salinity in impaired watersheds consistent with TMDL's where available as well as the reduction of groundwater contamination or point source such as contamination from confined animal feeding operations?	5
2	Will the treatment you intend to implement using EQIP result in the conservation of a considerable amount of ground or surface water resources?	5
3	Will the treatment you intend to implement using EQIP result in a considerable reduction of emissions, such as particulate matter, nitrogen oxides (NOx), volatile organic compounds, and ozone precursors and depleters that contribute to air quality impairment violations of National Ambient Air Quality Standards?	5
4	Will the treatment you intend to implement using EQIP result in a considerable reduction in soil erosion and sedimentation from unacceptable levels on agricultural land?	5

5	Will the treatment you intend to implement using EQIP result in a considerable increase in the promotion of at-risk species habitat conservation?	Total Points	5 25
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State Issues:**Scoring Multiplier: 10.00****Questions:**

Number	Question	Points
1	Is this a livestock operation that has been in business for more than two years and is located in a watershed of a 303(d) listed stream?	1000
2	Is this a livestock operation that has been in business for more than two years and is NOT located in a watershed of a 303(d) listed stream?	500
3	Are you a new operation in business less than two years?	50
4	Will you use a Technical Service Provider (TSP) to write your Comprehensive Nutrient Management Plan (CNMP)?	50
5	Is the existing concentrated livestock area less than 250 feet from a sensitive area (i.e.: water body, stream, wetland, spring, sink hole, ditch, etc.)?	100
6	If you already have a CNMP, is it up to date and have you implemented the plan?	75
7	Are you in good standing/compliance with all existing or prior Environmental Quality Incentives Program (EQIP) contracts? If you have NEVER had an EQIP contract or if you have ever terminated/cancelled an EQIP contract, you cannot answer yes.	50
8	If funded, will this be your first EQIP contract?	25
9	After implementation of this contract, will all livestock be fenced from streams or have limited access to streams according to Natural Resources Conservation Service (NRCS) Standards?	90
10	Has the applicant completed and submitted a Conservation Security Program (CSP) Self Assessment?	10
	Total Points	1950

Selected Resource Concerns and Practices:

Air Quality: Ammonia (NH₃)

Animal Mortality Facility (316)
Closure of Waste Impoundment (360)
Composting Facility (317)
Comprehensive Nutrient Management Plan (100)
Heavy Use Area Protection (561)
Manure Transfer (634)
Roof Runoff Structure (558)
Solid/Liquid Waste Separation Facility (632)
Waste Facility Cover (367)
Waste Storage Facility (313)
Waste Utilization (633)
Wastewater Treatment Strip (635)

Air Quality: Chemical Drift

Comprehensive Nutrient Management Plan (100)
Filter Strip (393)
Heavy Use Area Protection (561)
Waste Storage Facility (313)

Air Quality: Excessive Greenhouse Gas - CH₄ (methane)

Animal Mortality Facility (316)
Comprehensive Nutrient Management Plan (100)
Constructed Wetland (656)
Waste Storage Facility (313)
Waste Utilization (633)

Air Quality: Objectionable Odors

Closure of Waste Impoundment (360)
Composting Facility (317)
Comprehensive Nutrient Management Plan (100)
Constructed Wetland (656)
Heavy Use Area Protection (561)
Manure Transfer (634)
Solid/Liquid Waste Separation Facility (632)
Waste Facility Cover (367)
Waste Storage Facility (313)
Waste Utilization (633)
Wastewater Treatment Strip (635)

Domestic Animals: Inadequate Quantities and Quality of Feed and Forage

Comprehensive Nutrient Management Plan (100)
Fence (382)
Heavy Use Area Protection (561)
Waste Storage Facility (313)

Waste Utilization (633)

Domestic Animals: Inadequate Stock Water

Comprehensive Nutrient Management Plan (100)

Fence (382)

Heavy Use Area Protection (561)

Waste Storage Facility (313)

Domestic Animals: Stress and Mortality

Animal Mortality Facility (316)

Composting Facility (317)

Comprehensive Nutrient Management Plan (100)

Fence (382)

Heavy Use Area Protection (561)

Fish and Wildlife: T&E Species: Declining Species, Species of Concern

Comprehensive Nutrient Management Plan (100)

Fence (382)

Filter Strip (393)

Heavy Use Area Protection (561)

Waste Storage Facility (313)

Waste Utilization (633)

Fish and Wildlife: Threatened and Endangered Fish and Wildlife Species

Comprehensive Nutrient Management Plan (100)

Fence (382)

Filter Strip (393)

Heavy Use Area Protection (561)

Waste Storage Facility (313)

Waste Utilization (633)

Plant Condition: Forage Quality and Palatability

Comprehensive Nutrient Management Plan (100)

Filter Strip (393)

Subsurface Drain (606)

Waste Storage Facility (313)

Waste Utilization (633)

Plant Condition: Noxious and Invasive Plants

Comprehensive Nutrient Management Plan (100)

Subsurface Drain (606)

Plant Condition: Productivity, Health and Vigor

Comprehensive Nutrient Management Plan (100)

Filter Strip (393)

Subsurface Drain (606)

Waste Storage Facility (313)
Waste Utilization (633)

Soil Condition: Compaction

Comprehensive Nutrient Management Plan (100)
Fence (382)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Waste Storage Facility (313)
Waste Utilization (633)

Soil Condition: Contaminants-Animal Waste and Other Organics - N

Composting Facility (317)
Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Filter Strip (393)
Heavy Use Area Protection (561)
Manure Transfer (634)
Roof Runoff Structure (558)
Solid/Liquid Waste Separation Facility (632)
Waste Storage Facility (313)
Waste Utilization (633)

Soil Condition: Contaminants-Animal Waste and Other Organics - P

Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Filter Strip (393)
Heavy Use Area Protection (561)
Manure Transfer (634)
Roof Runoff Structure (558)
Solid/Liquid Waste Separation Facility (632)
Waste Storage Facility (313)
Waste Utilization (633)

Soil Condition: Damage from Sediment Deposition

Comprehensive Nutrient Management Plan (100)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Waste Storage Facility (313)
Waste Utilization (633)

Water and Sediment Control Basin (638)

Soil Condition: Organic Matter Depletion

Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Waste Storage Facility (313)
Waste Utilization (633)

Soil Erosion: Ephemeral Gully

Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Filter Strip (393)
Grassed Waterway (412)
Heavy Use Area Protection (561)
Pumping Plant (533)
Roof Runoff Structure (558)
Waste Storage Facility (313)
Waste Utilization (633)

Soil Erosion: Sheet and Rill

Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Filter Strip (393)
Grassed Waterway (412)
Heavy Use Area Protection (561)
Pumping Plant (533)
Roof Runoff Structure (558)
Waste Storage Facility (313)
Waste Utilization (633)

Water Quality: Excessive Nutrients and Organics in Groundwater

Comprehensive Nutrient Management Plan (100)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Manure Transfer (634)
Roof Runoff Structure (558)

Solid/Liquid Waste Separation Facility (632)
Waste Storage Facility (313)
Waste Utilization (633)

Water Quality: Excessive Nutrients and Organics in Surface Water

Composting Facility (317)
Comprehensive Nutrient Management Plan (100)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Manure Transfer (634)
Roof Runoff Structure (558)
Solid/Liquid Waste Separation Facility (632)
Waste Storage Facility (313)
Waste Utilization (633)

Water Quality: Excessive Suspended Sediment and Turbidity in Surface Water

Comprehensive Nutrient Management Plan (100)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Sediment Basin (350)
Waste Storage Facility (313)
Waste Utilization (633)

Water Quality: Harmful Levels of Pathogens in Groundwater

Animal Mortality Facility (316)
Composting Facility (317)
Comprehensive Nutrient Management Plan (100)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Solid/Liquid Waste Separation Facility (632)
Waste Storage Facility (313)
Waste Utilization (633)
Wastewater Treatment Strip (635)

Water Quality: Harmful Levels of Pathogens in Surface Water

Animal Mortality Facility (316)
Composting Facility (317)
Comprehensive Nutrient Management Plan (100)

Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Solid/Liquid Waste Separation Facility (632)
Waste Storage Facility (313)
Waste Utilization (633)
Wastewater Treatment Strip (635)

Water Quantity: Excessive Runoff, Flooding, or Ponding

Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Subsurface Drain (606)
Waste Storage Facility (313)
Waste Utilization (633)

Water Quantity: Reduced Storage of Water Bodies by Sediment Accumulation

Comprehensive Nutrient Management Plan (100)
Diversion (362)
Fence (382)
Field Border (386)
Filter Strip (393)
Heavy Use Area Protection (561)
Roof Runoff Structure (558)
Waste Storage Facility (313)